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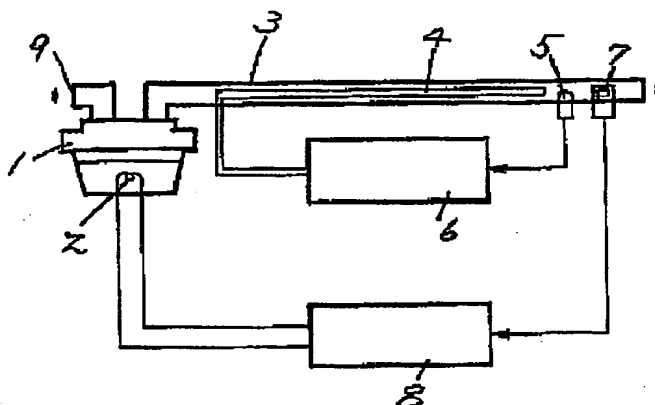
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APPLICANT : TOUKIBOU:KK;

INVENTOR : OOTSUKA MASAhide;

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TITLE : HEATING/HUMIDIFYING APPARATUS
WITH DEW FORMATION SENSOR



ABSTRACT : PURPOSE: To obtain a heating/humidifying apparatus which has a humidifying performance by no means affected by ventilation mode, for example, steady flow or adjusting respiration, variations in the flow rate of a sucked gas, an ambient environmental temperature and the like by using a dew formation sensor for the control of moisture to enhance stability of the moisture supplied.

CONSTITUTION: A water tank module 1 for heating or humidifying is provided with a main heater to generate steam and the steam thus generated is made to be free to supply to a patient through a sucking zigzag pipe 3. A hose heater 4 comprising a linear heating body is inserted and mounted into the sucking zigzag pipe 3 to prevent possible dew formation by preserving heat of a gas sucked in the sucking zigzag pipe 3 constantly. The temperature of the gas sucked is measured with a thermistor 5 set at about the mouth of the patient. Output of the hose heater 4 is made free to adjust through a hose heater controller 6 and the humidity of the gas sucked is measured with a dew formation sensor 7. Output of the main heater 2 is made free to adjust through a main heater controller 8.

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**HEATING/HUMIDIFYING
APPARATUS WITH DEW
FORMATION SENSOR**

(57) Abstract:

PURPOSE: To obtain a heating/humidifying apparatus which has a humidifying performance by no means affected by ventilation mode, for example, steady flow or adjusting respiration, variations in the flow rate of a sucked gas, an ambient environmental temperature and the like by using a dew formation sensor for the control of moisture to enhance stability of the moisture supplied.

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